

INTÉGRITÉ COATINGS MEDICI BASECOAT

The **Intégrité Coatings Medici Basecoat** is a single component Aliphatic Polyurea coating used to create decorative finishes on concrete floors. Thanks to its revolutionary chemical makeup, this product has a virtually unlimited pot-life allowing the installer adequate time to create one-of-a-kind textures and finishes. With 100% UV-Stability, the **Intégrité Coatings Medici Basecoat** is resistant to the effects of sunlight without any yellowing, chalking, or fading over time. Combine that with its high chemical resistance, low odor, ease of use, and extreme abrasion resistance and it is no wonder why it is hottest coating system available today. No other coatings manufacturers have anything like this – in the past the only way to get this look was to use acid stains, sprays, and dyes that are time consuming to install and don't hold up to heavy traffic. The **Intégrité Coatings Medici Basecoat** will be the optimal choice for garages, basement floors, patios, offices, pool surrounds, and any other location needing that old world, mottled, natural finish and texture.

DETERMINE THE APPLICATION SYSTEM

There are a number of different finishes available with the **Intégrité Coatings Medici Basecoat**. Each one will have specific installation instructions that should be followed to produce reliable and re-creatable results. One thing to remember is that the finishes can be combined to create different textures based on the customer's needs. Below is a list of the standard application systems that are in use right now. Before installing any of these floors for a paying customer it is highly recommended to make your own samples and practice the application first. You may come up with a new kind of look that will set you apart from any other contractors. You may design your own color combinations and techniques.

1. **SOLID COLOR FLOOR**
2. **PARTIAL BROADCAST CHIP FLOOR**
3. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER**
4. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2 ACCENT (SAME) COLORS using SPONGE ROLLERS**
5. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2-4 ACCENT (DIFFERENT) COLORS using SPONGE ROLLERS**
 - **THE PARTIAL BROADCAST AND TWO COLOR BASECOAT FLOORS ABOVE MUST BE FINISHED WITH A HIGH GLOSS (INTÉGRITÉ COATINGS TOPCOAT) OR MATTE FINISH (INTÉGRITÉ COATINGS MATTE TOPCOAT) TOPCOAT - REFERENCE THE INSTALLATION PAGES FOR INSTRUCTIONS ON APPLICATION OF TOPCOATS**

THE APPLICATION OF EACH TYPE OF SYSTEM IS VERY EASY TO COMPLETE, BUT THE DETAILS ARE WHAT WILL “MAKE OR BREAK” THE OVERALL APPEARANCE. FOLLOW THE TIPS BELOW TO EFFECTIVELY INSTALL EACH ONE OF THE INTÉGRITÉ COATINGS MEDICI™ SYSTEMS:

- ❖ Moisture testing needs to be completed before the installation of any coating systems. Reference the **CONCRETE PREPARATION** section of this manual for guidelines on Residential vs. Commercial testing requirements.
- ❖ The floor preparation will be the same as for any other type of coating to include grinding using diamond tooling, edge grinding, crack repair, spall repair, thorough vacuuming, leaf blowing (when possible) and an overall thorough cleaning of the floor prior to coating.
- ❖ Heavily damaged floors will not be considered good candidates for Intégrité Coatings Medici Systems. This coating system is thin mil and will have minimal to zero “hiding power” – meaning any imperfections in the concrete will be exaggerated by the high gloss finish and uniform coloration. Floors with a lot of cracking can actually look good after coating (old-world look) but this needs to be discussed with the customer prior to installation and always **SIGNED OFF ON** before applying anything.
- ❖ Heavily damaged floors can be handled another way – installing a self leveling layer of **Intégrité Coatings Moisture Stopping Primer** to the floor first to bring it back to a suitable substrate for coating. This may require extra preparation methods such as shot blasting or abrasive grinding to create a profile for adhesion. Contact an Intégrité Coatings Representative for more information on these techniques. Always reference the appropriate installation pages for instructions on how to apply the coating.



MIXING INSTRUCTIONS

Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Medici Basecoat**. Add the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MEDICI DUST** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 2 minutes prior to use. Then add **TWO Intégrité Coatings Colour Shots (5 oz. each)** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.

- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**

(OPTIONAL) MIXING INSTRUCTIONS FOR SMALL JOBS (UNDER 200 SF) - TWO COLOR BASECOAT ONLY

- ❖ Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Medici Basecoat**. Add the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MEDICI DUST** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 2 minutes prior to use.
- ❖ Using (2) 2.5 qt. calibrated mixing containers, divide the material in the pouch in half by pouring 48 oz. into each. With the **TWO DIFFERENT** colors chosen, add **ONE Intégrité Coatings Colour Shot (5 oz.)** to each calibrated mixing container. Use a drill with paddle style mixer or a paint stick to mix the material in each bucket for at least 1 minute prior to use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**

SOLID COLOR FLOORING OPTION #1)

With the wide array of colors available through Intégrité Coatings, **Solid Color Flooring** using the **Intégrité Coatings Medici Basecoat** can be the right fit for any potential customer. While not as decorative as a two or three color option, these floors will perform the same and produce vibrantly colored, uniform, opaque, durable and UV-stable finishes. These will be the easiest systems to apply by far, requiring less labor time on site and minimal artistic ability. Based on the color chosen (lighter colors will require more coats) and the porosity of the concrete it may take up to three color coats to gain 100% opacity and uniformity. Avoid applying thicker coats to gain the opacity required as this can lead to curing problems. For standard **TAN** or **GREY** solid color floors, this coating will be applied as the color tinted topcoat over the **Intégrité Coatings Basecoat** to complete the system.

THIS COATING MUST BE APPLIED THIN AT 375-425 SF/PAIL - BASED ON THE SUBSTRATE. MATERIAL WILL OUTGAS IF BUILT UP TOO THICK.

- ❖ Pour the color tinted **Intégrité Coatings Medici Basecoat** into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating very thin so that it will cure out properly.
- ❖ **EDGING CAN ALSO BE DONE USING 4" OR 9" ROLLERS (THE FRAMES ONLY HAVE A SUPPORT ON ONE SIDE MAKING IT EASY TO RUN THEM ALONG A WALL AND COAT RIGHT UP TO THE EDGE) BY POURING A SMALL AMOUNT ON THE FLOOR, SOAKING IT UP WITH THE ROLLER AND APPLYING A THIN AND EVEN COAT ALONG THE PERIMETER.**
- ❖ **IF USING A ROLLER TO CUT IN THE EDGES, ALWAYS REMEMBER TO APPLY TAPE TO THE WALLS AND ANY OTHER SURFACES NOT TO RECEIVE COATINGS. REMOVE THE TAPE PROMPTLY AFTER COATING.**
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is opaque in color and even in appearance. The roller should be kept on the ground during the cross rolling to limit "color flipping". Continue this process of rolling a 4' strip then cross rolling until the floor is complete. At this point you will want to do full length rolls to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Medici Basecoat** that makes this possible. Roll the floor from end to end in one direction until a mostly uniform finish is achieved. The first coat may not be completely opaque and may not cover the



concrete uniformly. This is to be expected as the concrete will absorb the coating differently in areas of high porosity. The second coat will look a lot better.

- ❖ **CROSS ROLLING OF THE COATING SHOULD BE DONE WITHIN 30 MINUTES OF THE INITIAL APPLICATION. THIS MAY REQUIRE WORKING IN SECTIONS AND/OR HAVING ADDITIONAL INSTALLERS ON SITE FOR LARGER PROJECTS.**
- ❖ Allow the coating to cure **for at least 2 hours** before applying a second color tinted coat of the **Intégrité Coatings Medici Basecoat**. This re-coat time will of course be dependent on temperature and humidity, but you must allow the first coat to tack over before building another layer on top of it or it may outgas.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**
- ❖ Apply the second (and third if necessary) coats the same way as the first coat, remembering that the coating will go farther as the porosity of the slab has been filled in. It will be very important during this application that the shoe spikes worn are clean, sharp, and secured tightly to the installer's feet. If heavy traction is required for the finish, clear dry silica sand or aluminum oxide (preferred) can be broadcast and backrolled into the second wet basecoat.
- ❖ Pertaining to traction, the texture (anti-slip additive) that is represented on a sample board also needs to be re-created on the floor. Keep track of how much was added on a per square foot basis and only add that amount to re-create the finish on the floor.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependent on temperature) and vehicle traffic in 24 hours.
- ❖ **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND GLASS-HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**
- ❖ **OPTION** – For areas of heavy traffic or for a desired matte finish, you can follow the installation instructions for the **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat** to apply a clear coat over the two color coats of **Intégrité Coatings Medici Basecoat**. This clear coat must be installed following the product re-coat times listed in the manual, and can typically be installed once the second color coat has tacked over.

PARTIAL BROADCAST CHIP FLOOR (OPTION #2)

With the wide array of colors available through RockSolid Floors, **Partial Broadcast Chip Floors** using the **Intégrité Coatings Medici Basecoat** and decorative chips can be the right fit for any potential customer. While not as decorative as a Full Broadcast Chip Floor, they will perform the same and produce vibrantly colored, uniform, opaque, durable and UV-stable finishes with just a hint of additional colors to help hide dust and debris. The application of the **Intégrité Coatings Medici Basecoat** for a Partial Broadcast Chip Floor will be similar to doing a solid color floor except the coating will be applied slightly thicker to gain true opacity in a single coat. Make sure to follow the guidelines below to complete the installation properly.

THIS COATING MUST BE APPLIED THIN AT 350-400 SF/PAIL - BASED ON THE SUBSTRATE. APPLYING THE MATERIAL THINNER (STRETCHING IT FARTHER) CAN RESULT IN A SEMI-TRANSLUCENT BASECOAT AND INCONSISTENT FINISHES.

- ❖ Pour the color tinted **Intégrité Coatings Medici Basecoat** into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating very thin so that it will cure out properly.
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall

and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is opaque in color and even in appearance. The roller should be kept on the ground during the cross rolling to limit “color flipping”. Continue this process of rolling a 4’ strip then cross rolling until the floor is complete. At this point you will want to do full length rolls to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Medici Basecoat** that makes this possible. Roll the floor from end to end in one direction until a mostly uniform finish is achieved. The coating should be completely opaque and uniform in color.

- ❖ **CROSS ROLLING OF THE COATING SHOULD BE DONE WITHIN 30 MINUTES OF THE INITIAL APPLICATION. THIS MAY REQUIRE WORKING IN SECTIONS AND/OR HAVING ADDITIONAL INSTALLERS ON SITE FOR LARGER PROJECTS.**
- ❖ Walk back out on the wet basecoat and broadcast the decorative chips in a random pattern across the floor. This is best done by grabbing small “pinches” of chips between your thumb and index finger and throwing them up high in the air. This will allow them to separate and not clump up on the floor. Be careful not to drop any piles of chip on the floor – if you do, you now have to make the entire floor look consistent with that area. Chip can be broadcast in heavy partial coverage or light coverage, it is all up the customer’s preference. Depending on the temperature you will have up to 1 hour to broadcast the chips.
- ❖ Once the **Intégrité Coatings Medici Basecoat** has cured, follow the installation instructions for the **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat** to apply a clear coat over the partial broadcast floor.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**

TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER (OPTION #3)

Using the proprietary **Intégrité Dualie™ Roller** allows the installer to apply two colors simultaneously to create an inter-woven color blend that mimics the appearance of acid stains and other penetrating dyes. This technique gives the concrete a distinct mottled look similar to natural stone or aged surfaces. The most important aspects of completing installations this way are application technique and color choices. Intégrité Coatings has already developed a number of corresponding colors that produce industry standard (popular) finishes. We encourage installers to make samples and design their own blends that will set them apart from the competition. See the **Intégrité Coatings Medici Basecoat** color chart for available colors.

- ❖ Before use, the Intégrité Dualie™ Roller should be de-linted using duct tape. Do not wrap the tape around the roller as normal, but rather wrap the tape around your hand with the sticky side facing out and lightly dab into the roller and/or sweep the surface to remove any loose hairs. This is a thick nap roller of high quality but should always be cleaned using this method before use.
- ❖ It will always be beneficial to use multiple installers to speed up the application time, but they should all be trained and have some experience before working on a paying job. For this technique you will want to have a plan of attack before starting to roll. As each installer will roll slightly differently from the next, in order to avoid patterns it is important to move around on the floor as opposed to staying in a particular area. That way any form of pattern will be lost in the random appearance of the coating and the whole floor will look like it was done by a single installer.
- ❖ **FAILURE TO APPLY THIS WAY CAN RESULT IN UNHAPPY CUSTOMERS AND POOR FINISHES.**

- ❖ Each installer will need to be on spike shoes during the application process as it is vital to move around and stand in the wet coating to avoid creating patterns. Make sure that all the spike shoes have been cleaned off and are as sharp as possible. This floor coating can tend to get slippery as it starts to cure and dull spikes will lead to slipping and scarring of the coating.

- ❖ Pour the two individual batches of color tinted **Intégrité Coatings Medici Basecoat** into separate sides of the dual color roller tray. Add just enough material to fill each chamber until the colors are almost in contact with each other. You will need to add more during the installation as the coating gets used up.
- ❖ Lightly saturate the Intégrité Dualie™ Roller with the two colored materials in the roller pan. Do not push down on the roller as this will cause it to thicken up and reduce the texture that can be achieved. Get just enough material on the roller to fully color each side.
- ❖ The first stroke of the roller should be a large (3' x 3') M and W pattern to spread the material out. There should be little to no pressure applied to the roller during this step. Once the M and W pattern has been applied, immediately rotate 90 degrees and roll in the opposite direction of the first roll. Continue to basically “walk in circles” while spreading the material lightly with the roller. For each dip of the roller, you should be able to cover about 25 square feet (5' x 5' area). This will keep the application rates on target to apply the material properly.
- ❖ **IT WILL BE THE CHOICE OF THE INSTALLER WHETHER TO DO THE EDGES FIRST AND THEN ROLL THE MAIN PART OF THE FLOOR OR VICE VERSA. INTÉGRITÉ HAS HAD THE BEST LUCK AND QUALITY FINISHES COMPLETING THE EDGING DETAIL BEFORE OR DURING ROLLING OUT THE MAIN FLOOR. IT SEEMS EASIER TO BLEND THE EDGING AND CREATE A SEAMLESS FINISH THAT WAY.**
- ❖ **BE CAREFUL NOT TO “OVER ROLL” THE COATING AS IT WILL CAUSE UNWANTED BLURRING OF THE TWO COLORS. THE GOAL IS TO LEAVE THE FLOOR TOTALLY COVERED (NO CONCRETE SHOWING THROUGH) BUT WITH A TWO-TONE FINISH.**
- ❖ Once a 5' x 5' section has been applied, re-saturate the roller and complete another section. You will want to start away from the first patch that was coated and work towards it so that the coating does not get built up to a thickness beyond the specification.
- ❖ Continue this process until the entire area has been coated, adding more material to the pan when necessary. If coating a large square footage that takes over an hour to apply the coating, Intégrité Coatings suggests changing out the roller with a new so that it does not stiffen up and change the texture of the floor. For projects this size an increase in the amount of applicators can really help.
- ❖ Once the basecoat application using the Intégrité Dualie™ Roller is complete, allow the floor to dry for at least 2 hours before applying the protective clear **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat**. Again, always make sample boards before attempting to install a floor like this for a customer. Contact an Intégrité Coatings Representative for suggestions on color combinations or to purchase sample boards to show to customers.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**

TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2 ACCENT (SAME) COLORS using SPONGE ROLLERS (OPTION #4)

This option can be done to add depth to the **Two Color Basecoat** system without “going too far”. Adding subtle highlights using the same colors as the original basecoat application can give the floor a richer look and feel without straying too far from the original color combination. These highlights will be added using a sponge roller and can be applied as light or as heavy and the project requires. Follow the instructions below to install and texture the floor as needed. Apply the clear topcoat once the basecoat and accent colors have tacked over. Keep in mind the re-coat window and finish the floor completely. This technique is simple to do, but the key to remember is minimalism.

YOU CAN ALWAYS ADD MORE BUT YOU CAN'T TAKE IT OFF!! KEEP THE PRESSURE ON THE ROLLER LIGHT ALMOST LIKE “PULLING UP” ON IT

- ❖ Immediately after the application of the two-color basecoat is complete (OPTION #3), use a sponge roller on a 9” frame to lightly add accent colors to the floor in a random pattern. This is best done by lightly coating the roller with the selected color out of a 9” roller pan. Then, on a sheet of scrap plywood or cardboard you will want to empty out the

roller so that it does not apply the coating too heavily. This will become clearly obvious when you roll on the scrap piece. If applied too heavy, the coating could be cleaned off immediately with a solvent (MEK) but it is best to avoid having to do this as it could cause smearing, discoloration, and takes time to complete. Be careful on your shoe spikes so as not to scratch the coating already in place.

- ❖ When applying on the floor, use minimal pressure to add the color to the surface. It is almost like “picking up on the roller.”
- ❖ **AVOID USING LONG STROKES OF THE ROLLER BUT RATHER SHORT, ABRUPT STROKES IN DIFFERENT DIRECTIONS. LONG STROKES WILL LEAVE ROLLER MARKS IN A DISTINCT PATTERN AND THIS WILL RUIN THE FLOOR. DO NOT PUSH DOWN ON THE ROLLER AS THIS WILL CAUSE MATERIAL TO BE SQUEEZED OUT AND APPLIED TOO HEAVILY.**
- ❖ **IF MORE THAN ONE INSTALLER IS APPLYING THE ACCENT COLORS IT IS SUGGESTED TO CHANGE POSITIONS OFTEN TO AVOID CREATING DIFFERING TEXTURES. BASICALLY THE INSTALLERS SHOULD FLIP/FLOP AROUND EACH OTHER AND COME BACK TO AREAS THAT WERE MISSED AS OPPOSED TO WORKING BACKWARDS – HARD TO KEEP UNIFORM RANDOMNESS THIS WAY**
- ❖ Once the sponge rolling is complete, allow the floor to dry for at least 2 hours before applying the protective clear topcoat as mentioned above in Option #3. Again, always make sample boards before attempting to install a floor like this for a customer.

TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2-4 ACCENT (DIFFERENT) COLORS using SPONGE ROLLERS (OPTION #5)

This option will be applied the same way as Option #4 but with different, precisely chosen accent colors. It is very important to choose the right color combination and make multiple sample boards to get the technique down. Also, choosing colors that are in the same “family” such as light and dark browns or yellows and golds will make the installation easier to accomplish. This is the most difficult type of **Intégrité Coatings Medici Basecoat** to install correctly and achieve the proposed finish, so it is not suggested for new installers of the coating. Always practice and play around with color combinations before completing work for a paying customer.

INTÉGRITÉ COATINGS MEDICI BASECOAT

Product Description

Intégrité Coatings Medici Basecoat™ is a single component, 90% solids, VOC Compliant, Aliphatic Polyurea that was developed for use as a UV-stable basecoat and/or topcoat in our decorative, chemical resistant Medici flooring systems. This coating provides durability and beauty in a wide range of applications. The Intégrité Coatings Medici Basecoat has excellent resistance to UV rays, abrasion, and many of today's harshest chemicals.

PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Unlimited pot life increases the workability of the coating, providing consistent aggregate broadcasts and uniform topcoat applications.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ Coating displays excellent chemical and abrasion resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ 100% UV-Stable Aliphatic Chemistry
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ Extended cure time delivers great self-leveling properties and glass-smooth finishes.

PRIMARY APPLICATIONS

- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Wastewater treatment applications
- ❖ Bar, table and countertop sealer

TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 65°F -80°F (18°C -27°C). Extreme cold applications may slow the cure time.

ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>500psi
Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

PACKAGING

Product is sold CLEAR in 1 gallon pouches (96 oz. actual)

TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,500
Compressive Strength (psi Mpa)	ASTM D695	12,000
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	800
Hardness, Shore D	ASTM D2240	80
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
<small>*Liters sand/ 1 dry mil</small>		
Abrasion Resistance	ASTM D4060	
CS17-Wheel (1,000 gm Load)		12 mg Loss / 500 cycles
Gloss	ASTM D-523	91+
Permeability		.038 WVT

TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relativity Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-4 hours
	Recoat Maximum - 12 hours

Recommended Coverages

Basecoat (Ground Concrete)	400-500 sf/gal	@3.2 mils DFT
Basecoat (Acid Wash Concrete)	450-550 sf/gal	@2.9 mils DFT
VOC compliant in all 50 states and Canada		

SURFACE PREPARATION

Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Medici Basecoat is not recommended as a high build primer on wood substrates.

Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Medici Basecoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

INSTALLATION RECOMMENDATIONS

Intégrité Coatings Medici Basecoat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Thoroughly mix the single component material using a drill and paddle style mixer for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use. For each 1 gallon pouch, add two (2) Intégrité Coatings Colour Shots (5 oz. each), the **ENTIRE CONTENTS** of the **MEDICI DUST**, and the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER**. Thoroughly mix together for a minimum of 1 minute until a uniform color is achieved. Pour the material into a standard roller pan, Dualie roller pan, or directly on the floor to roll out. Follow the instructions in the installation manual for the different systems. Any unused material may be left in the sealed pouch for future use. **DO NOT POUR UNUSED MATERIAL BACK INTO THE ORIGINAL SHIPPING CONTAINER AS IT COULD CONTAMINATE THE ENTIRE BATCH.** Seal all pouches immediately after pouring out desired quantities. It is important to limit the time the pouch is open. Mix and pour out only what is needed. At the end of the day apply a solvent "float" of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. 3/8 nap and the Medici Dualie roller are the most common rollers used.

Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

Thinner

Intégrité Coatings Medici Basecoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

Clean Up

Use ACETONE to clean tools, etc. before product cures.

SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)
USDA and FDA certified food safe for incidental food contact.

SHIPPING INFORMATION

Flash Point:	47°C (117°F)
Weight/Gallon:	9.7 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	1263

SAFETY PRECAUTIONS

DANGER!! Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. **INTÉGRITÉ COATINGS MEDICI BASECOAT™** conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

Chemical Resistance

Acetic Acid 100%	RC	Methanol	R	Sugar/H ₂ O	R
Acetone	R	Methylene Chloride	C	Sulfuric Acid 10%	R
Ammonium Hydroxide 50%	RC	Mineral Spirits	R	Sulfuric Acid >50%	R
Benzene	RC	Motor Oil	R	Toluene	R
Brake Fluid	R	MTBE	C	1, 1,1-Trichlorethane	C
Brine saturated H ₂ O	R	Muriatic Acid 10%	R	Trisodium Phosphate	R
Chlorinated H ₂ O	R	NaCl/H ₂ O 10%	R	Vinegar/H ₂ O 5%	R
Diesel fuel	R	Nitric Acid 20%	RC	H ₂ O 14 days at 82° C	R
Ethanol	R	Phosphoric Acid 10%	R	Xylene	R
Gasoline	R	Phosphoric Acid 50%	NR		
Gasoline/5% MTBE	R	Potassium Hydroxide 10%	R		
Gasoline/5% Methanol	R	Potassium Hydroxide 20%	R, Dis		
Hydrochloric Acid 20%	R	Propylene Carbonate	RC		
Hydrofluoric Acid 10%	RC	Skydral	RC		
Hydraulic fluid (oil)	R	Sodium Hydroxide 25%	R		
Isopropyl Alcohol	R	Sodium Hydroxide 50%	R, Dis		
Jet Fuel (JP-4)	R	Sodium Hypchlorite 10%	R		
Lactic Acid	RC	Sodium Bicarbonate	R		
MEK	R	Stearic Acid	R		

Chemical Resistance Key

R=recommended/little or no visible damage

RC=recommended conditional/some effect, swelling or discoloration

C=Conditional/Cracking-wash within one hour of spillage to avoid affects

NR=Not recommended

Dis=Discolorative



INTÉGRITÉ COATINGS MEDICI BASECOAT

PRODUCT RE-COAT WINDOWS BASED ON TEMPERATURE AND HUMIDITY

		RELATIVE HUMIDITY (%)							
		30	40	50	60	70	80	90	100
TEMPERATURE (DEGREES F)	40	16	14	12	10	9.5	9	8.5	8
	50	15	13	11	9.5	9	8	7.5	7
	60	14	12	10.5	9	8.5	7.5	7	6.5
	70	13	11.5	10	8.5	8	7	6.5	6
	80	12	11	9.5	8	7	6.5	6	5.5
	90	11	10.5	9	7	6.5	6	5.5	5
	100	10.5	10	8	6.5	6	5.5	5	4.5
	110	10	9	7	6	5.5	5	4.5	4

THE ABOVE TIME FRAMES ARE BASED ON TESTING IN CONTROLLED CONDITIONS. ACTUAL RE-COAT TIMES MAY VARY.

THE TIMES LISTED ABOVE REFLECT THE SUGGESTED MAXIMUM RE-COAT WINDOW IN HOURS. INTÉGRITÉ COATINGS DOES NOT SUGGEST INSTALLING THE INTÉGRITÉ COATINGS MEDICI BASECOAT UNDER 40 DEG. F.

THIS IS THE TIME FROM THE START OF THE APPLICATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT TO THE LATEST POINT THAT ADDITIONAL COATINGS COULD BE APPLIED WITHOUT SANDING THE FLOOR TO CREATE A PROFILE. TO ACHIEVE PROPER INTER-COAT ADHESION, THE TIMES LISTED ABOVE SHOULD BE FOLLOWED AND NOT EXCEEDED. FAILURE TO APPLY CONSECUTIVE COATS WITHIN THE TIME FRAMES LISTED ABOVE CAN RESULT IN DELAMINATION OF SUBSEQUENT COATINGS.

EXAMPLE:

8:00 AM | INSTALLER BEGINS THE INSTALLATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT
9:00 AM | APPLICATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT IS COMPLETE

TEMPERATURE : 70 DEGREES F

RELATIVE HUMIDITY : 70%

THE BASECOAT SHOULD BE TACKED OVER WITHIN 2-3 HOURS

BASED ON THE CHART ABOVE, THE INSTALLER HAS UP TO 8 HOURS TO APPLY ADDITIONAL COATS. THE INSTALLATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT STARTED AT 8:00 AM, SO THE NEXT COAT NEEDS TO BE INSTALLED NO LATER THAN 4:00 PM.

WAITING LONGER THAN THIS WILL REQUIRE SANDING OF THE CURED BASECOAT TO PROVIDE AN ANCHOR FOR THE TOPCOAT.

INTÉGRITÉ COATINGS TOPCOAT

The **Intégrité Coatings Topcoat** is a single component, UV-stable, Aliphatic Polyurea that has the best chemical resistance available on the market today. Due to its unique chemical make-up and manufacturing process, this coating provides exceptional protection while offering a virtually unlimited pot life and crystal clear finish. It is resistant to staining from a wide variety of chemicals and caustic materials. Low odor and minimal VOC content allow for interior applications on projects requiring high gloss, chemical and abrasion resistant finishes. This revolution in coatings technology will provide reliable performance in all aspects of the floor coating industry, including but not limited to; industrial and chemical manufacturing plants, primary and secondary containment, retail environments, residential and heavy commercial buildings, protective coatings for metal and wood, as well as thin film clear coats over a large list of substrates. The single component technology in the **Intégrité Coatings Topcoat** makes it very user friendly and produces unmatched performance characteristics.

PRODUCT RE-COAT WINDOWS

Because all Intégrité Coatings are fast setting, consecutive coats must be applied within certain timeframes to ensure proper inter-coat adhesion of the system. A re-coat window chart is available in the manual to show the MAXIMUM amount of time that can be allowed between coats. If these timeframes are exceeded, say for an emergency or weather conditions, it will be necessary to scuff sand the cured coatings to provide an anchor for adhesion. Reference the Tech Data Sheets for the individual materials for instructions on how to prepare them if the situation calls for it.

APPLICATION OVER A PARTIAL BROADCAST CHIP FLOOR or MEDICI TWO COLOR BASECOAT

- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION BETWEEN THE BASECOAT AND THE TOPCOAT AND CREATE DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**
- ❖ **MIXING** - Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Topcoat**. Use a screwdriver to remove the lid on the **TOPCOAT STABILIZER** and add the **ENTIRE CONTENTS** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**
- ❖ Pour the material into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating should be applied thin at a spread rate of 500-600 square feet per gallon.
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is even in appearance. Continue this process of rolling a 4' strip then cross rolling until the floor is complete.
- ❖ Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. It should always be backrolled to lock it in.
- ❖ To finish the system, roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to eliminate roller lines and produce an even, glossy finish. It is the extended pot-life of the **Intégrité Coatings Topcoat** that makes this possible.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependant on temperature) and vehicle traffic in 24 hours.

- ❖ **OPTION** – For areas that require a matte finish, you can follow the installation instructions for the **Intégrité Coatings Matte Topcoat** to apply a reduced gloss clear coat over the **Intégrité Coatings Medici Basecoat** in place. This clear coat will replace the **Intégrité Coatings Topcoat** listed above and must be installed following the product re-coat times listed in the manual.

SQUEEGEE APPLICATION OVER A FULL BROADCAST CHIP FLOOR

- ❖ Follow the mixing instructions above to prepare the material for installation.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**
- ❖ Pour the mixed material on the floor in a large, 12" wide ribbon, and use a flat blade squeegee to spread the material evenly over the floor. Always maintain a good amount of pressure on the squeegee blade or puddling of the coating can occur. Angle the squeegee towards walls/joints to apply up to edges. Any buildup that cannot be moved by squeegee should be picked up and distributed by a 3" chip brush, leaving a uniform coat wall to wall. The coating should be applied thin at a spread rate of 225-250 square feet per gallon.
- ❖ **IT IS THE RESPONSIBILITY OF THE SQUEEGEE APPLICATOR TO APPLY A TIGHT, UNIFORM COAT OF INTÉGRITÉ COATINGS TOPCOAT OVER THE CHIP SO THE ROLLING APPLICATOR DOES NOT HAVE TO DO EXTRA WORK TO FILL IN DRY SPOTS OR SPREAD OUT PUDDLES. ANY VOIDS LEFT IN THE SQUEEGEE COAT COULD END UP AS "DRY" SPOTS ON THE FINISHED FLOOR. ANY AREAS LEFT TOO THICK COULD CAUSE OUTGASSING IN THE FINISHED TOPCOAT.**
- ❖ Once the squeegee applicator is about 6-8 feet off the back wall, the roller can get ready to finish the clear coat. Pour out the next strip of material to be pulled around with a squeegee. Saturate the roller and roll a 4 foot section across the length of the floor, starting at one end and working the material once from side to side and then back to where you started. This will even out the top coat and cover high/low spots. As with the base coat, cross roll the section applying little to no pressure. This will eliminate roller marks in the finish. Continue this technique throughout the floor, overlapping into the wet edge with the roller and keeping cross rolls even and perpendicular to the wall. If the roller becomes too saturated and starts to feel like it is pushing material around the floor instead of spreading it, empty the roller on an area of the floor that has not been squeegeed over yet. This will eliminate any high build areas and the possibility of applying the material too thick.
- ❖ Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. It should always be backrolled to lock it in.
- ❖ To finish the system, roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to eliminate roller lines and produce an even, glossy finish. It is the extended pot-life of the **Intégrité Coatings Topcoat** that makes this possible.
- ❖ It may be necessary to repeat the full length cross rolling process to completely level out the top coat and remove all roller lines.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependant on temperature) and vehicle traffic in 24 hours.

FOR ALL INTÉGRITÉ COATINGS TOPCOAT APPLICATIONS

- ❖ **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND GLASS-HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ To achieve smoother finishes or higher gloss floors, it will be the option of the installer to apply additional **Intégrité Coatings Topcoats**. Always follow the re-coat window chart to determine the maximum time between coats. These timeframes must be followed to provide proper inter-coat adhesion between topcoats and create durable finished floors. Plan accordingly on large jobsites to complete sections at a time from start to finish.

INTÉGRITÉ COATINGS TOPCOAT

Product Description

Intégrité Coatings Topcoat is a single component, 90% solids, VOC Compliant, Aliphatic Polyurea that was developed for high gloss UV-stable floor topcoats, chemical resistance, and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. Intégrité Coatings Topcoat has excellent resistance to UV rays, abrasion, and many of today's harshest chemicals.

PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Unlimited pot life increases the workability of the coating, providing consistent aggregate broadcasts and uniform topcoat applications.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ Coating displays excellent chemical and abrasion resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ 100% UV-Stable Aliphatic Chemistry
- ❖ Versatile, crystal clear topcoat for use on both horizontal and vertical applications.
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ Extended cure time delivers great self-leveling properties and glass-smooth finishes.

PRIMARY APPLICATIONS

- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Wastewater treatment applications
- ❖ Bar, table and countertop sealer

TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 65°F -80°F (18°C -27°C). Extreme cold applications may slow the cure time.

ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>500psi
Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

PACKAGING

Product is sold CLEAR in 1 gallon pouches

TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,500
Compressive Strength (psi Mpa)	ASTM D695	12,000
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	800
Hardness, Shore D	ASTM D2240	80
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
<small>*Liters sand/ 1 dry mil</small>		
Abrasion Resistance	ASTM D4060	
CS17-Wheel (1,000 gm Load)		12 mg Loss / 500 cycles
Gloss	ASTMD-523	91+
Permeability		.038 WVT

TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relative Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-4 hours
	Recoat Maximum - 12 hours

Recommended Coverages

Topcoat Over Partial Chip	450-550 sf/gal	@2.9 mils DFT
Topcoat Over Full Chip	200-300 sf/gal	@4.8 mils DFT
Topcoat Over Medici Basecoat	500-600 sf/gal	@2.6 mils DFT

VOC compliant in all 50 states and Canada

SURFACE PREPARATION

Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Topcoat is not recommended as a high build primer on wood substrates.

Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Topcoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

INSTALLATION RECOMMENDATIONS

Intégrité Coatings Topcoat adheres well to several sound substrates and coatings when properly prepared including but not limited to: concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness. **ALWAYS FOLLOW THE DEW POINT CHART AND APPLY ACCORDINGLY. DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING. THIN MATERIAL WITH UP TO 15% MEK FOR TOPCOAT USE OVER 80°F (27°C)**

APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Thoroughly mix the single component material using a paddle mixer and drill for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use. For each 1 gallon pouch, add the **ENTIRE CONTENTS** of the **TOPCOAT STABILIZER** and thoroughly mix together for a minimum of 1 minute with a drill and paddle style mixer until a uniform consistency is achieved. Pour the material into a roller pan or directly on the floor to squeegee apply. Follow the instructions in the installation manual for the different systems. Any unused material may be placed back in a separate, sealed storage container for future use. **DO NOT POUR UNUSED MATERIAL BACK INTO THE ORIGINAL SHIPPING CONTAINER AS IT COULD CONTAMINATE THE ENTIRE BATCH.** Seal all containers immediately after pouring out desired quantities. It is important to limit the time the pouch is open. Mix and pour out only what is needed. At the end of the day apply a solvent "float" of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to 3/8" nap are acceptable, thicker nap may cause bubbling of the coating.

Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

Thinner

Intégrité Coatings Topcoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

Clean Up

Use ACETONE to clean tools, etc. before product cures.

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Acetone	R	Methylene Chloride	C	Sulfuric Acid 10%	R
Ammonium Hydroxide 50%	RC	Mineral Spirits	R	Sulfuric Acid >50%	R
Benzene	RC	Motor Oil	R	Toluene	R
Brake Fluid	R	MTBE	C	1,1,1-Trichlorethane	C
Brine saturated H ₂ O	R	Muriatic Acid 10%	R	Trisodium Phosphate	R
Chlorinated H ₂ O	R	NaCl/H ₂ O 10%	R	Vinegar/H ₂ O 5%	R
Diesel fuel	R	Nitric Acid 20%	RC	H ₂ O 14 days at 82° C	R
Ethanol	R	Phosphoric Acid 10%	R	Xylene	R
Gasoline	R	Phosphoric Acid 50%	NR		
Gasoline/5% MTBE	R	Potassium Hydroxide 10%	R		
Gasoline/5% Methanol	R	Potassium Hydroxide 20%	R, Dis		
Hydrochloric Acid 20%	R	Propylene Carbonate	RC		
Hydrofluoric Acid 10%	RC	Skydral	RC		
Hydraulic fluid (oil)	R	Sodium Hydroxide 25%	R		
Isopropyl Alcohol	R	Sodium Hydroxide 50%	R, Dis		
Jet Fuel (JP-4)	R	Sodium Hypchlorite 10%	R		
Lactic Acid	RC	Sodium Bicarbonate	R		
MEK	R	Stearic Acid	R		

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